

PARCEL INFORMATION:

ASSESSORS PLAT 16 - LOT 30
OWNER:
TOWN OF BRISTOL
10 COURT STREET
BRISTOL, RHODE ISLAND 02809
DEED BOOK 610 - PAGE 97
AREA: ACRES 1.3472
ZONE: R-6

NOTES:

1. THE PURPOSE OF THIS SURVEY IS TO IDENTIFY EXISTING CONDITIONS FOR IMPROVEMENTS TO THE SEAWALL AND PARK.
2. GPS OBSERVATIONS WERE CONDUCTED ON AUGUST 22, 2019 AND AUGUST 26, 2019. OBSERVATIONS WERE OBTAINED UTILIZING SMARTNET NORTH AMERICA NETWORK AND STATIC OBSERVATIONS PROCESSED USING NGS BASE OPUS STATIC ONLINE POSITIONING USER SERVICES. GRID BEARINGS ARE RI NAD83, EPOCH 2010 AND ORTHOMETRIC HEIGHT WAS COMPUTED USING GEOID 12B.

TOWN OF BRISTOL
WALLEY PARK SEAWALL IMPROVEMENT PROJECT
OCTOBER 2020

INDEX OF DRAWINGS

SHEET 1	TITLE SHEET / EXISTING CONDITIONS / LAYDOWN PLAN
SHEET 2	PARTIAL ENLARGED PLAN - PROPOSED IMPROVEMENTS
SHEET 3	DETAILS
SHEET 4	ENLARGED PLAN / DETAILS

CERTIFICATION:

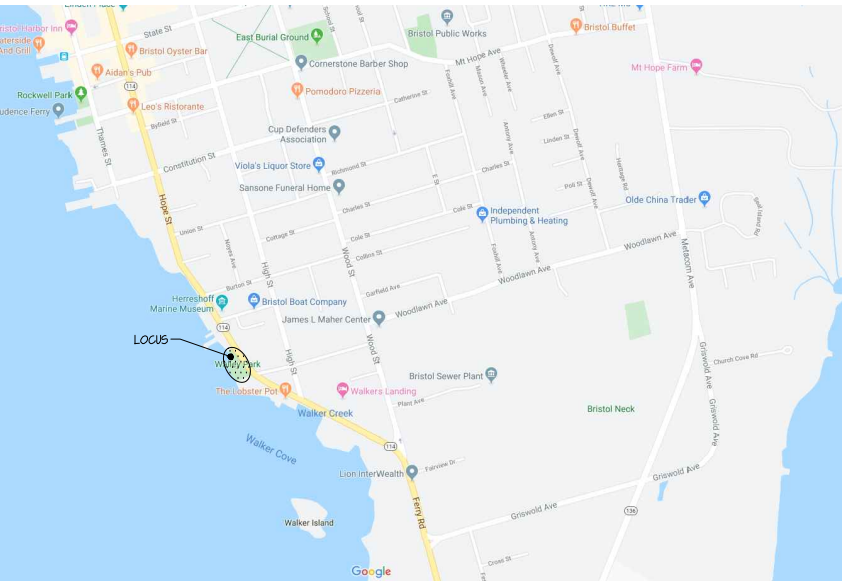
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 435-RICR-00-00-1-6 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: NOT A BOUNDARY SURVEY	MEASUREMENT SPECIFICATION: CLASS III TOPOGRAPHIC ACCURACY: T-2
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OTHER TYPE OF SURVEY:
DATA ACCUMULATION SURVEY

THE PURPOSE OF THIS SURVEY IS TO IDENTIFY EXISTING CONDITIONS FOR IMPROVEMENTS TO THE SEAWALL AND PARK.

DAVID T. BRAY PLS NO. 1899
CAPUTO AND WICK LTD., COA NO. A177



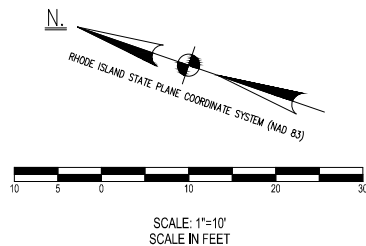
LOCATION MAP
SCALE: NTS

LEGEND

---	STATE HIGHWAY LINE
---	FREWAY LINE
---	ASSESSORS LOT LINE
---	EASEMENT LINE
---	BASELINE
---	TRAVERSE LINE
---	EXISTING CONTOUR
---	EDGE OF POTENTIAL 50' PERIMETER WETLAND
---	LIMIT OF 100' RIVERBANK WETLAND
---	EXISTING STREAM
---	EDGE OF DELINEATED FRESHWATER WETLAND WITH FLAG
---	GAS LINE
---	DRAIN LINE
---	WATER LINE
---	OVERHEAD WIRES
---	ASSESSORS PLAT/LOT
---	EXIST. NORTH
---	EXIST. SOUTH
---	EXIST. WEST
---	EXIST. EAST
---	TRaverse LINE
---	RIGHT
---	LEFT
---	SQUARE FEET
---	STATE HIGHWAY LINE
---	POINT OF CURVATURE
---	POINT OF INTERSECTION
---	POINT OF TANGENCY
---	STATION
---	DEGREE
---	MINUTE/FEET
---	SECONDS
---	DELTA
---	NUMBER
---	NAVD 88
---	NORTH AMERICAN VERTICAL DATUM OF 1988
---	NAD 83
---	NORTH AMERICAN HORIZONTAL DATUM OF 1983
---	CATCH BASIN
---	GAS GATE
---	GAS METER
---	WATER GATE
---	SPOT ELEVATION
---	SEWER MANHOLE
---	EXIST. CONC.
---	EXIST. CONCRETE
---	CENTER LINE
---	UTILITY POLE
---	LIGHT POLE
---	BOLLARD
---	CATCH BASIN
---	INVERT
---	ELEVATION
---	MANHOLE
---	UNDERGRO.
---	TRANSFORMER
---	ELEC.
---	PROPERTY LINE
---	TOP OF CURB
---	BOTTOM OF CURB
---	IRRIGATION
---	TOP OF WALL WITH ELEV.
---	BW=0.00
---	BOTTOM OF WALL WITH ELEV.
---	TWB=0.00
---	TOP OF BOARD WALK WITH ELEV.
---	BWB=0.00
---	BOTTOM OF BOARD WALK WITH ELEV.

EXISTING CONDITION PLAN / NOTES

<div>KEVIN R. HARROP</div> <div>No. 9200</div> <div></div> <div>REGISTERED PROFESSIONAL ENGINEER CIVIL</div>	<div>WALLEY PARK SEAWALL IMPROVEMENT PROJECT</div> <div>HOPE STREET BRISTOL, RHODE ISLAND</div>		
	<div>CAPUTO AND WICK LTD.</div> <div>Land Surveying, Civil Engineering, Environmental Services, Traffic Engineering and Construction Engineering</div> <div>1150 PAWTUCKET AVE. RUMFORD, R.I. 02916-1897</div> <div>Tel.: 401-434-8880 WWW.CWLTD.NET</div>		<div>DATE</div> <div>October 2020</div>
			<div>SHEET</div> <div>1 OF 4</div>



EXISTING PARKING

SEE SHEET 1 FOR
ADDITIONAL INFORMATION

ALTERNATE 1A:

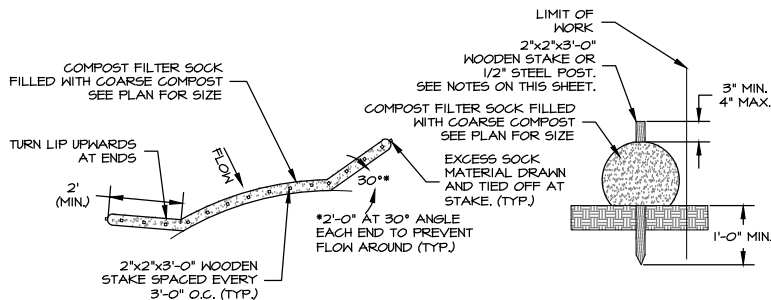
REBUILD WALL, CAP AND INSTALL SLOPE PROTECTION AS INDICATED BY DETAILS IN BASE BID FOR THE PROJECT. THIS WORK WILL INCLUDE CONSTRUCTING THE STAIR (SEE DETAIL 3 ON SHEET 4).

ALTERNATE 1B:

IN LIEU OF PERFORMING THE WORK OUTLINED IN ALTERNATE 1A THE EXISTING SEA WALL WILL REMAIN. INSTALL RIP-RAP BEHIND WALL. SEE DETAIL 4 ON SHEET 4 FOR ADDITIONAL INFORMATION.

PARTIAL ENLARGED PLAN - PROPOSED IMPROVEMENTS

SCALE: 1"=10'



GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE A MINIMUM 12 HOURS ADVANCE NOTICE TO THE TOWN PRIOR TO PROJECT MOBILIZATION.
2. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE CRMC MAINTENANCE ASSENT ISSUED SPECIFIC TO THE PROJECT.
3. WITH THE EXCEPTION OF THE CRMC MAINTENANCE ASSENT, IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN AND PAY FOR ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND AND THE TOWN OF BRISTOL PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.
4. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY, AND BE FULLY AWARE OF, EXISTING CONDITIONS PRIOR TO THE START OF WORK AND SHALL IDENTIFY ANY EXISTING ITEMS OF WORK SCHEDULED TO REMAIN OR TO BE SALVAGED FOR RE-USE IN COORDINATION WITH THE TOWN AND AS INDICATED IN THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL MEET WITH TOWN REPRESENTATIVES TO DISCUSS THE PROJECT AND CRMC PERMIT REQUIREMENTS PRIOR TO THE START OF CONSTRUCTION.
5. UNDERGROUND UTILITIES HAVE NOT BEEN MARKED IN THE FIELD, AND RECORDS HAVE NOT BEEN OBTAINED SPECIFIC TO THIS PROJECT. THEREFORE, THE CONTRACTOR MUST OBTAIN AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, OVERHEAD AND UNDERGROUND, AND PROPERLY NOTIFY "DIG-SAFE" PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. ALL UTILITY COMPANIES AND MUNICIPAL DEPARTMENTS WHOSE FACILITIES MAY BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR SHALL BE NOTIFIED AT LEAST 12 HOURS IN ADVANCE OF CONSTRUCTION.
6. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND ANY COSTS ASSOCIATED WITH THE REPAIR OF DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN.
7. ALL SITE WORK AND MATERIALS SHALL CONFORM TO THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND THE REGULATIONS AND STANDARDS OF THE TOWN OF BRISTOL, AS APPLICABLE.
8. SLOPE STABILIZATION MAT SHALL BE GEOWEB® 3D VEGETATED SLOPE PROTECTION, 6A DEEP, AS MANUFACTURED BY PRESTO GEOSYSTEMS® (OR EQUAL), 610 N. PERKINS STREET, PO BOX 2299, APPLETON, WISCONSIN 54912; TOLL-FREE PHONE: (800) 548-3424; PHONE: (920) 738-1328; FAX: (920) 738-1222; EMAIL: INFO@PRESTOGEOSYS.COM. GEOWEB SLOPE PROTECTION SHALL BE INSTALLED IN STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS WITH ALL PROPER ANCHORING AND ATTACHMENTS.

9. ANY ITEMS OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT REQUIRED FOR COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE INCLUDED IN THE CONTRACT PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
10. THE CONTRACTOR SHALL LAWFULLY DISPOSE OF ALL MATERIALS REMOVED THAT ARE NOT SCHEDULED FOR SALVAGE OR REUSE. THE TOWN SHALL BE THE SOLE JUDGE OF ANY ITEMS THAT MAY BE SUITABLE FOR SALVAGE AND REUSE IN THE WORK.
11. ANY DAMAGE TO EXISTING LAWN, PLANTING BEDS, OR CONCRETE OR BITUMINOUS SURFACES AS A RESULT OF WORK NOT SPECIFIED IN THE CONTRACT SHALL BE REPLACED/REPAIRED IN-KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN.

PLANTING AND SEEDING NOTES

1. GEOWEB® SLOPE STABILIZATION MAT SHALL BE FILLED WITH PLANTABLE LOAM MIXED WITH HIGH-QUALITY, ORGANIC, PLANTING COMPOST AT A RATIO OF 3 PARTS PLANTABLE LOAM TO 1 PART COMPOST.
2. GEOWEB® SLOPE STABILIZATION MAT SHALL BE PLANTED WITH A SALT TOLERANT GRASS-SEED MIX COMPOSED SOLELY OF SLENDER AND STRONG CREEPING RED FESCUES (FESTUCA RUBRA L. VAR.) PLANTED AT A RATE OF 4 TO 5 POUNDS PER 1,000 SQUARE FEET, OR AS OTHERWISE APPROVED BY THE TOWN.
3. AREAS OF EXISTING LAWN THAT MAY NEED TO BE LOAMED AND SEEDING OUTSIDE THE LIMITS OF GEOWEB INSTALLATION AS A RESULT OF PROJECT ACTIVITIES OR DAMAGE SHALL RECEIVE AT LEAST 4 INCHES OF PLANTABLE LOAM (IF NOT CURRENTLY PRESENT) AND SHALL BE SEEDING WITH A HIGH-QUALITY, FULL-SUN GRASS MIX (CONTAINING AT LEAST 30 PERCENT KENTUCKY BLUEGRASS) TO MATCH EXISTING TURF.

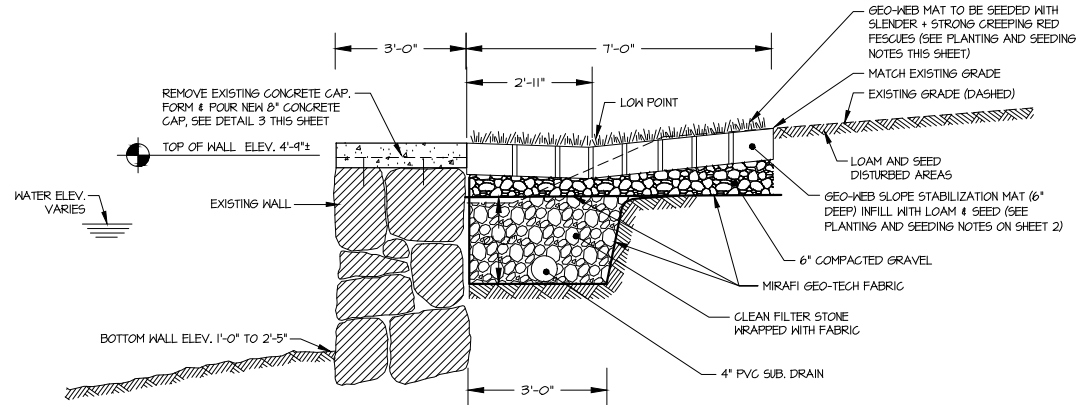
GOOD HOUSEKEEPING NOTES

1. STONES, EARTHEN MATERIAL, CONSTRUCTION DEBRIS, LITTER, OR OTHER SUCH MATERIALS SHALL NOT BE DEPOSITED ON THE SEAWARD SIDE OF THE SEAWALL OR BEYOND OTHER DESIGNATED PROJECT LIMITS.
2. ALTHOUGH LIMITED PERIMETER EROSION AND SEDIMENTATION CONTROLS HAVE BEEN IDENTIFIED FOR THE PROJECT, THE TOWN RESERVES THE RIGHT, AT NO ADDITIONAL COST TO THE TOWN, TO SPECIFY SUCH CONTROLS IF THE NEED ARISES. THE CONTRACTOR IS RESPONSIBLE FOR GOOD HOUSEKEEPING PRACTICES AND APPROPRIATE EROSION AND SEDIMENTATION CONTROL WHETHER SPECIFICALLY ADDRESSED IN THE CONTRACT DOCUMENTS OR NOT.

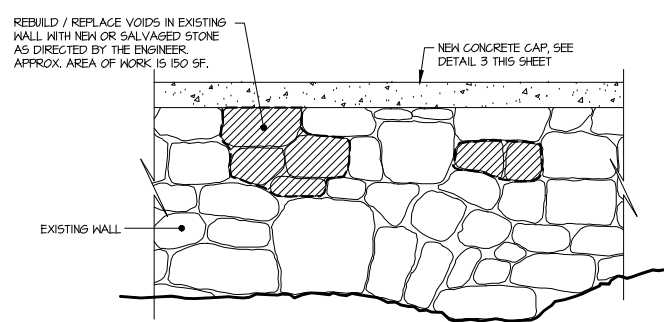
3. DISTURBED LAWN OR PLANTING BEDS THAT REMAIN EXPOSED AS OF OCTOBER 15 SHALL BE SEEDING OR OTHERWISE STABILIZED AS OF THAT DATE. ANY AREAS THAT DO NOT EXHIBIT ADEQUATE VEGETATION STABILIZATION BY NOVEMBER 15 MUST BE STABILIZED BY INSTALLING EROSION-CONTROL MATTINGS OR EQUIVALENT, AS APPROVED BY THE TOWN.
4. EARTHEN-MATERIALS STOCKPILES TO REMAIN IDLE MORE THAN 14 DAYS ARE TO BE RINGED WITH PROPERLY STAKED COMPOST FILTER SOCK, OR EQUIVALENT.
5. APPROPRIATE PRECAUTIONS SHALL BE TAKEN TO PREVENT CONSTRUCTION EQUIPMENT FROM TRACKING SOIL BEYOND PROJECT LIMITS ONTO PAVED SURFACES AND PUBLIC STREETS.
6. THE CONTRACTOR SHALL LIMIT OPERATIONS THAT RESULT IN THE GENERATION OF AIRBORNE SEDIMENT AND SHALL BE RESPONSIBLE FOR DUST CONTROL. SUCH CONTROL SHALL INCLUDE, AS APPLICABLE, SHEEPING OF ANY OFF-SITE LOCATIONS THAT MAY BECOME IMPACTED BY SITE CONSTRUCTION.
7. REFUELING OF CONSTRUCTION MACHINERY AND EQUIPMENT, AND ESTABLISHMENT OF A PROPERLY PROTECTED CONCRETE WASHOUT AREA, IF NEEDED, SHALL BE SITED IN LOCATIONS APPROVED BY THE TOWN AND/OR ENGINEER AS DISTANT FROM TIDAL WATERS AND DRAINAGE INLETS AS FEASIBLE. A SPILL KIT MUST REMAIN ON SITE THROUGH THE DURATION OF PROJECT ACTIVITIES.

PARTIAL ENLARGED PLAN - PROPOSED IMPROVEMENTS

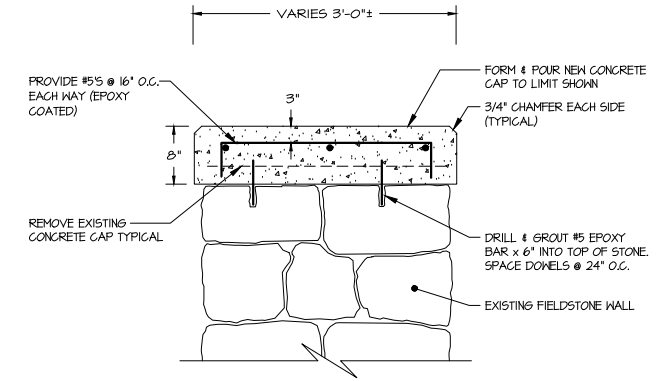
<div>KEVIN R. HARROP</div> <div>No. 9200</div> <div>REGISTERED PROFESSIONAL ENGINEER CIVIL</div>	WALLEY PARK SEAWALL IMPROVEMENT PROJECT	
	HOPE STREET BRISTOL, RHODE ISLAND	
	CAPUTO AND WICK LTD.	DATE
	Land Surveying, Civil Engineering, Environmental Services, Traffic Engineering and Construction Engineering	October 2020
1150 PAWTUCKET AVE. RUMFORD, R.I. 02916-1897 Tel.: 401-434-8880 WWW.CWLTD.NET		SHEET
		2 OF 4



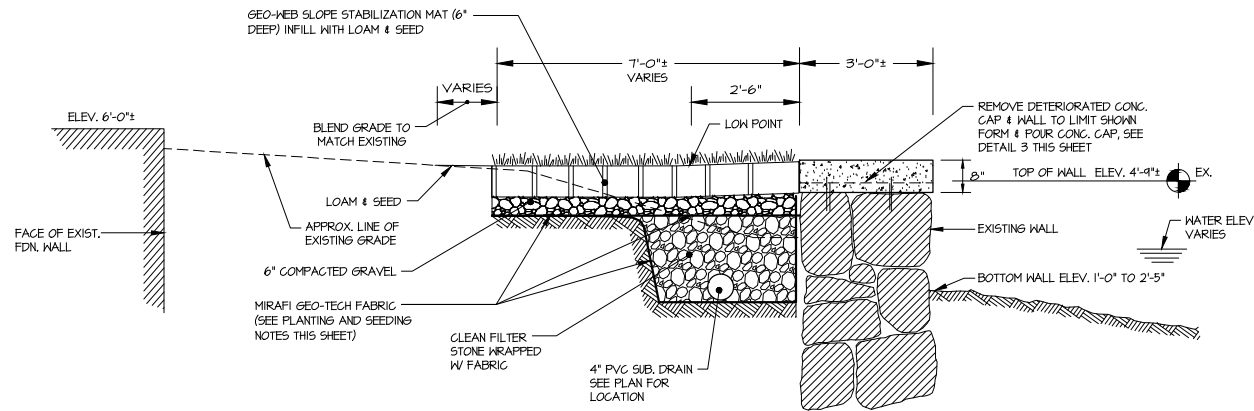
1
3
DETAIL @ EXISTING WALL
SCALE: 1/2" = 1'-0"



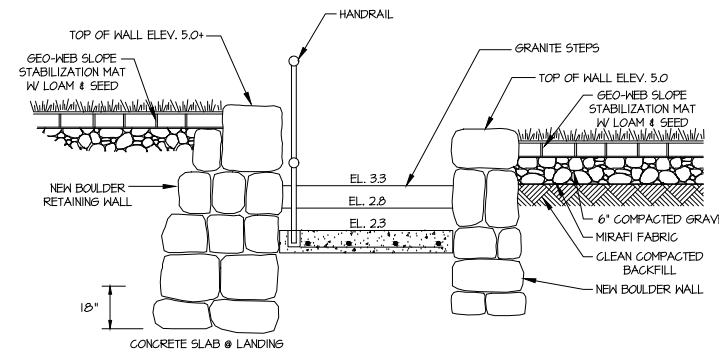
2
3
STONE REPLACEMENT DETAIL @ WALL
SCALE: NONE



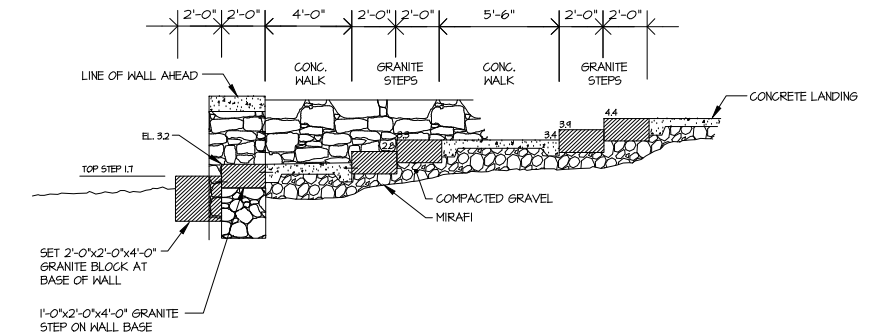
3
3
CAP DETAIL
SCALE: 1" = 1'-0"



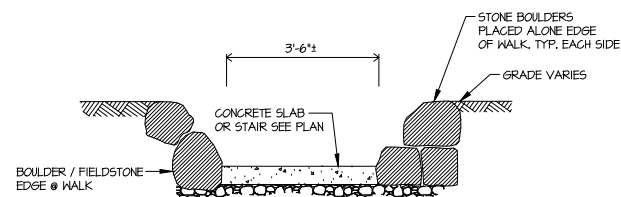
4
3
DETAIL @ EXISTING WALL
SCALE: 1/2" = 1'-0"



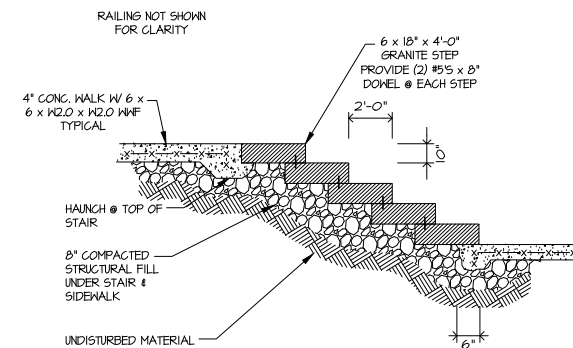
5
3
SECTION
SCALE: 1/2" = 1'-0"



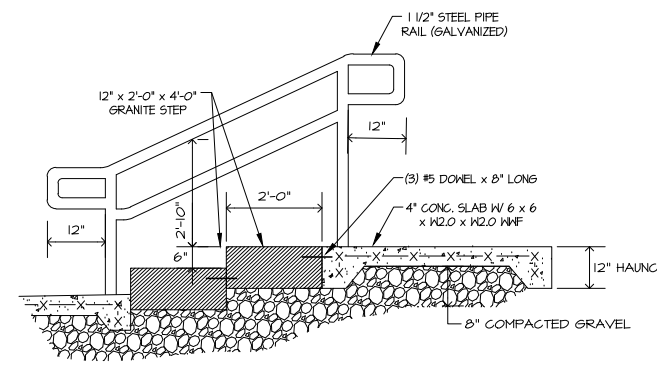
6
3
SECTION @ ACCESS POINT
SCALE: 1/2" = 1'-0"



7
3
SECTION AT WALK
SCALE: 1/2" = 1'-0"



8
3
DETAIL @ GRANITE STEP
SCALE: 1/2" = 1'-0"




9
3
STAIR / HANDRAIL DETAIL
SCALE: NTS

DETAILS

KEVIN R. HARROP No. 9200 REGISTERED PROFESSIONAL ENGINEER CIVIL	WALLEY PARK SEAWALL IMPROVEMENT PROJECT HOPE STREET BRISTOL, RHODE ISLAND	
	CAPUTO AND WICK LTD. Land Surveying, Civil Engineering, Environmental Services, Traffic Engineering and Construction Engineering 1150 PAWTUCKET AVE. RUMFORD, R.I. 02916-1897 Tel.: 401-434-8880 WWW.CWLTD.NET	
	DATE	October 2020
	SHEET	3 of 4



<p>ENLARGED PLANS & DETAILS</p>	
<p>WALLEY PARK SEAWALL IMPROVEMENT PROJECT</p>	
<p>HOPE STREET BRISTOL, RHODE ISLAND</p>	
<p>KEVIN R. HARROP</p>  <p>No. 9200</p> <p>REGISTERED PROFESSIONAL ENGINEER CIVIL</p>	<p>CAPUTO AND WICK LTD.</p> <p>Land Surveying, Civil Engineering, Environmental Services, Traffic Engineering and Construction Engineering</p> <p>1150 PAWTUCKET AVE. RUMFORD, R.I. 02916-1897</p> <p>Tel. 401-434-8880 WWW.CWLTD.NET</p>
<p>DATE October 2020</p>	
<p>SHEET 4 OF 4</p>	